

"PATENT"

# AMENDMENT TRANSMITTAL FORM

In re application of Michael Siskin et al  
U.S. Serial No: 10/587,199  
Filed: July 25, 2006 I.A. Filing Date: 2/1/2005  
Synthesis of Sterically Hindered Secondary  
Aminoether Alcohols from Acid Anhydride and/or  
Acid Halide and Sulfur Trioxide

Before the Examiner: Not Assigned

Confirmation Number: 6710  
Group Art Unit:

Agent's Reference No.: P2004J007

Commissioner for Patents  
P.O. Box 1450, Alexandria, Virginia 22313-1450

I hereby certify that I have a reasonable basis for believing that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date indicated below.

Jacqueline D. Wright  
Name of attorney or agent

Signature

4/16/07  
Date of Signature

Transmittal herewith is an amendment/response in the above-identified application.

Petition for extension of time pursuant to 37 CFR 1.136 and 1.137 is hereby made, if and to the extent, required. The fee for this extension of time is calculated to be \$ 0 to extend the time for filing this response until \_\_\_\_\_.

The fee for any changes in number of claims has been calculated as shown below.

CLAIMS AS AMENDED						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid For	(5) Present Extra	(6) Rate	(7)
Total Claims	*	Minus	**		x 50.00	
Indep. Claims	*	Minus	***		x 200.00	
MULTIPLE DEPENDENT CLAIM FEE					\$ 360.00	
FEE FOR CLAIM CHANGES						<u>0</u>

- \* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.
- \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The total fee for this IDS Under 37 CFR 1.56, including claim changes and any extension of time is calculated to be \$ 0.

☒ Charge \$ 0 to DEPOSIT ACCOUNT NO. 05-1330.

☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required by this paper, or credit any overpayment, to DEPOSIT ACCOUNT NO. 05-1330.

16 April 2007  
DATE OF SIGNATURE

Post Office Address: [to which correspondence is to be sent]  
ExxonMobil Research and Engineering Company  
P. O. Box 900  
Annandale, New Jersey 08801-0900

ATTORNEY OR AGENT OF RECORD

Paul E. Purwin

Registration No. 29,203

☒ Pursuant to 37 CFR 1.34(a)

Facsimile Number: (908) 730-3649



ALLOCCA:kak

27810- PATENT TRADEMARK OFFICE



"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Michael Siskin et al

U.S. Serial No. 10/587,199

Filed: July 25, 2006

I.A. Filing Date: 2/1/2005  
Synthesis of Sterically Hindered Secondary  
Aminoether Alcohols from Acid Anhydride  
and/or Acid Halide and Sulfur Trioxide

§ Examiner: Not Assigned  
§  
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§ Group Art Unit:  
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§ Agent's Reference Number:  
§ P2004J007  
§

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56

Applicants take this opportunity to bring to the attention of the United States Patent and Trademark Office various items which may be deemed of interest in the prosecution of the above captioned application.

If a fee is required, it may be charged by the Commissioner to Deposit Account No. 05-1330 in accordance with the authorization given on the accompanying Amendment Transmittal Form.

I hereby certify that I have a reasonable basis for believing that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date indicated below.		
Jacqueline D. Wright Name of attorney or agent	<i>Jacqueline D. Wright</i> Signature	4/16/07 Date of Signature



27810

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U.S. Serial No. 10/587,199  
IDS Under 37 CFR 1.56  
Agent's Reference Number: P2004J007

- 2 -

Reference is made to the following co-pending related applications:

WO 2005/082835      WO 2005/081777      WO 2005/082836

The following items are cited:

U.S. Patent Documents:

4,112,051	4,471,138	4,618,481	4,961,873
4,112,052	4,487,967	4,892,674	5,098,604
4,405,585	4,508,692	4,894,178	5,874,623
4,417,075			

Foreign Patent Documents: GB 2 017 524

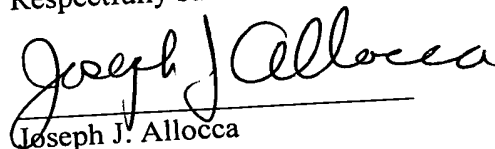
Other Disclosures:

FRAZIER and KOHL, "Selective Absorption of Hydrogen Sulfide from Gas Streams", Industrial and Engineering Chemistry, November 1950, pp. 2288-2292, vol. 42, no. 11, The Fluor Corporation Ltd., Los Angeles, California

OVERBERGER and SARLO, "Mixed Sulfonic-Carboxylic Anhydrides", J. Am. Chem. Soc., March 4, 1963, pp. 2446-2448, vol. 85

KARGER and MAZUR, "Cleavage of Ethers by Mixed Sulfonic-Carboxylic Anhydrides", J. Am. Chem. Soc., July 3, 1968, pp. 3878-3879, 90:14

Respectfully submitted,

  
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☒ Pursuant to 37 CFR 1.34(a)

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JJA:kak  
11/1/2006

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

**Complete if Known**

Application Number 10/587,199  
Filing Date July 25, 2006  
First Named-Inventor Michael Siskin et al  
Art Unit  
Examiner Name  
Attorney Docket Number  
Family Number P2004J007

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, columns, lines, where relevant passages or relevant figures appear
	AA	US- 4,112,051	09-05-1978	Sartori et al	
	AB	US- 4,112,052	09-05-1978	Sartori et al	
	AC	US- 4,405,585	09-20-1983	Sartori et al	
	AD	US- 4,417,075	11-22-1983	Stogryn	
	AE	US- 4,471,138	09-11-1984	Stogryn	
	AF	US- 4,487,967	12-11-1984	Stogryn et al	
	AG	US- 4,508,692	04-02-1985	Savage et al	
	AH	US- 4,618,481	10-21-1986	Heinzelmann et al	
	AI	US- 4,892,674	01-09-1990	Ho et al	
	AJ	US- 4,894,178	01-16-1990	Ho et al	
	AK	US- 4,961,873	10-09-1990	Ho et al	
	AL	US- 5,098,604	03-24-1992	Brouard et al	
	AM	US- 5,874,623	02-23-1999	Adkins et al	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country code <sup>3</sup> -Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of cited document	Pages, columns, lines, where relevant passages or relevant figures appear	T <sup>6</sup>
	BA	GB 2 017 524	10-10-1979	Shell Internationale		
	BB	WO 2005/082835	09-09-2005	ExxonMobil Res. & Eng. Co.		
	BC	WO 2005/081777	09-09-2005	ExxonMobil Res. & Eng. Co.		
	BD	WO 2005/082836	09-09-2005	ExxonMobil Res. & Eng. Co.		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Code of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/587,199
				Filing Date	July 25, 2006
				First Named Inventor	Michael Siskin et al
				Art Unit	
				Examiner Name	
				Attorney Docket Number	
Sheet	2	of	2	Family Number	P2004J007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	FRAZIER and KOHL, "Selective Absorption of Hydrogen Sulfide from Gas Streams", Industrial and Engineering Chemistry, November 1950, pp. 2288-2292, vol. 42, no. 11, The Fluor Corporation Ltd., Los Angeles, California	
	CB	OVERBERGER and SARLO, "Mixed Sulfonic-Carboxylic Anhydrides", J. Am. Chem. Soc., March 4, 1963, pp. 2446-2448, vol. 85	
	CC	KARGER and MAZUR, "Cleavage of Ethers by Mixed Sulfonic-Carboxylic Anhydrides", J. Am. Chem. Soc., July 3, 1968, pp. 3878-3879, 90:14	
	CD		
	CE		
	CF		
	CG		
	CH		
	CI		
	CJ		
	CK		
	CL		
	CM		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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